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TITLE : LUBRICANT AND MAGNETIC RECORDING MATERIAL USING THE SAME

ABSTRACT : PROBLEM TO BE SOLVED: To obtain both a lubricant excellent in practical characteristics such as traveling properties, wear resistance and durability and solubility in various solvents, capable of maintaining excellent lubricating characteristics under various use conditions and lasting lubricating effects for many hours and a magnetic recording medium.

SOLUTION: This lubricant is a perfluoropolyalkyl ether-based compound of the formula $R_1R_2R_3N^+O^-COR_fCOO^-HN^+R_1R_2R_3$ (R_f is a perfluoropolyether group; R_1 , R_2 and R_3 are each hydrogen or a hydrocarbon) containing carboxylic acid amine bases as polar groups at both ends and a perfluoropolyether group having 500 to ≤ 1000 molecular weight. The lubricant is applied to the magnetic layer of a magnetic recording medium or added into the magnetic layer.

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